

**USH 41: USH 151 TO STH 67 (DODGE AND FOND DU LAC COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH KK - STH 175 - CTH B**

OCTOBER

Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH								
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	163	0.0	25	0.0	1500	163	0	25	0.44	0	66.1	60.4	44.8	29.6	29.6
1-2 AM	105	0.0	16	0.0	1500	105	0	16	0.43	0	66.2	60.5	45.1	29.7	29.7
2-3 AM	87	0.0	13	0.0	1500	87	0	13	0.43	0	66.2	60.5	45.1	29.7	29.7
3-4 AM	102	0.0	15	0.0	1500	102	0	15	0.43	0	66.2	60.5	45.1	29.7	29.7
4-5 AM	125	0.0	19	0.0	1500	125	0	19	0.43	0	66.1	60.5	45.0	29.6	29.6
5-6 AM	256	0.0	39	0.0	1500	256	0	39	0.45	0	65.9	60.1	44.5	29.4	29.4
6-7 AM	568	0.0	86	0.0	1500	568	0	86	0.48	0	65.3	59.3	43.2	29.0	29.0
7-8 AM	968	0.0	148	0.0	1500	968	0	148	0.52	0	64.6	58.2	41.8	28.4	28.4
8-9 AM	952	0.0	146	0.0	1500	952	0	146	0.51	0	64.6	58.2	41.9	28.4	28.4
9-10 AM	949	0.0	145	0.0	1500	949	0	145	0.51	0	64.6	58.3	41.9	28.4	28.4
10-11 AM	963	0.0	147	0.0	1500	963	0	147	0.52	0	64.6	58.2	41.8	28.4	28.4
11A-NOON	986	0.0	150	0.0	1500	986	0	150	0.52	0	64.5	58.2	41.7	28.4	28.4
NOON-1PM	1078	0.0	164	0.0	1500	1078	0	164	0.53	0	64.4	57.9	41.4	28.3	28.3
1-2 PM	1148	0.0	175	0.0	1500	1148	0	175	0.57	0	64.3	57.4	40.2	28.1	28.1
2-3 PM	1286	0.0	197	0.0	1500	1286	0	197	0.75	0	64.0	55.3	35.9	27.9	27.9
3-4 PM	1384	0.0	212	0.0	1500	1384	0	212	0.87	0	63.8	54.0	33.3	27.8	27.8
4-5 PM	1476	0.0	226	0.0	1499	1476	0	226	0.99	0	63.7	52.7	31.3	27.6	27.6
5-6 PM	1550	0.0	237	0.0	1499	1550	0	237	1.99	26	63.5	45.0	30.8	27.6	27.6
6-7 PM	1417	0.0	217	0.0	1499	1417	0	217	1.81	25	63.7	46.3	32.1	27.8	27.8
7-8 PM	1147	0.0	175	0.0	1500	1147	0	175	0.57	0	64.3	57.4	40.2	28.1	28.1
8-9 PM	764	0.0	117	0.0	1500	764	0	117	0.50	0	65.0	58.7	42.5	28.7	28.7
9-10 PM	599	0.0	92	0.0	1500	599	0	92	0.48	0	65.3	59.2	43.2	28.9	28.9
10-11 PM	472	0.0	72	0.0	1500	472	0	72	0.47	0	65.5	59.6	43.6	29.1	29.1
11PM-MID	338	0.0	52	0.0	1500	338	0	52	0.46	0	65.8	59.9	44.2	29.3	29.3

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0153
MAIN ROUTE WITH WORKS	0.0141
DIVERSION	0.0210

PIA: Personal Injury Accidents

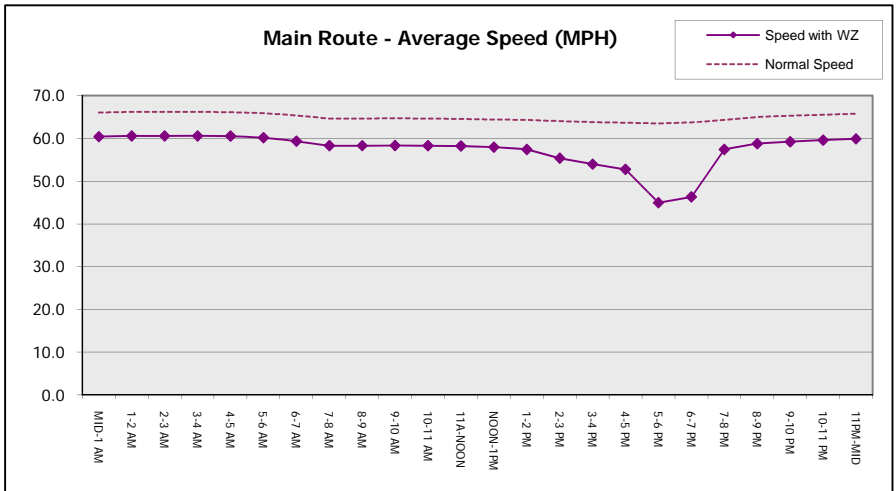
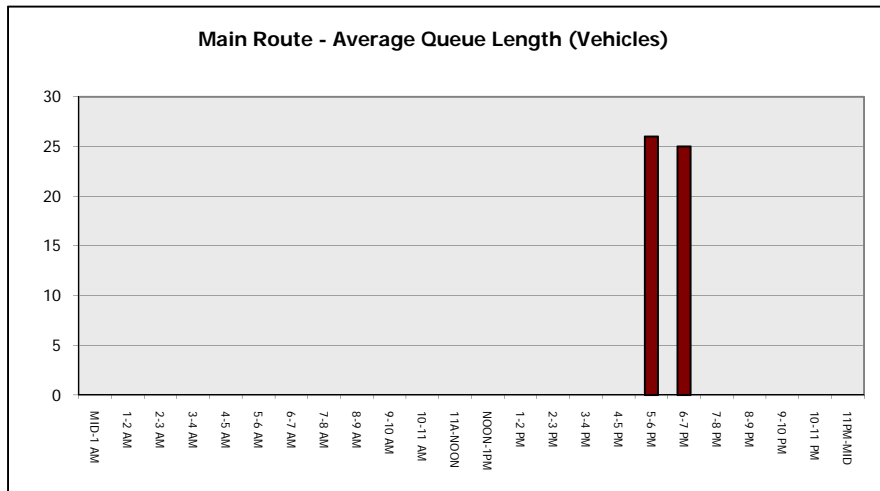
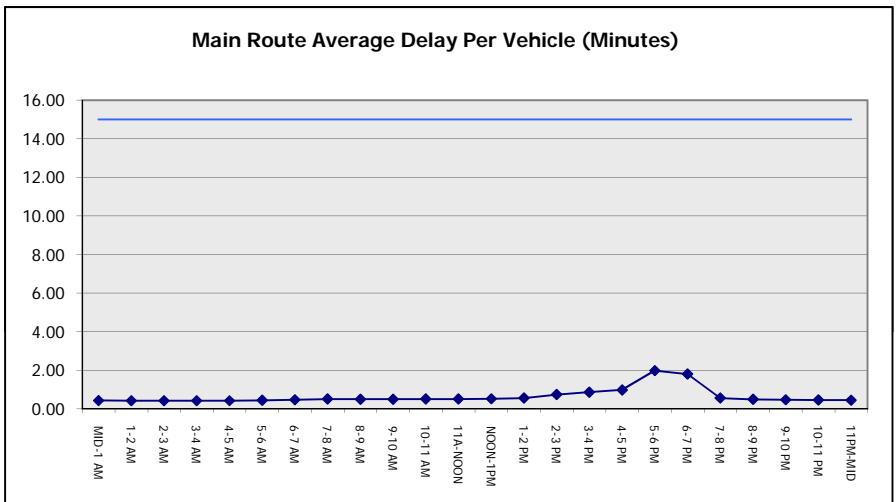
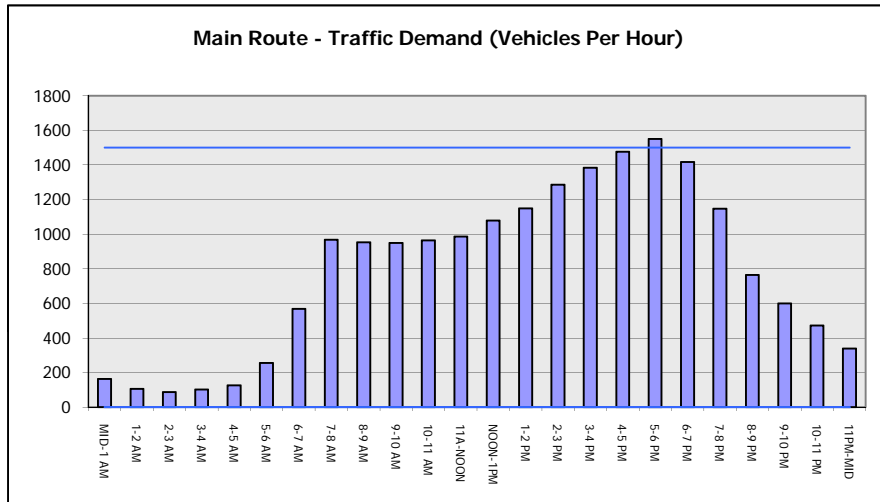
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,661
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH KK - STH 175 - CTH B**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: USH 151 TO STH 67 (DODGE AND FOND DU LAC COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH KK - STH 175 - CTH B	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	246	0.0	38	0.0	1500	246	0	38	0.45	0	66.0	60.1	44.5	29.4	29.4
1-2 AM	157	0.0	24	0.0	1500	157	0	24	0.44	0	66.1	60.4	44.8	29.6	29.6
2-3 AM	141	0.0	22	0.0	1500	141	0	22	0.44	0	66.1	60.4	44.9	29.6	29.6
3-4 AM	126	0.0	19	0.0	1500	126	0	19	0.43	0	66.1	60.5	45.0	29.6	29.6
4-5 AM	131	0.0	19	0.0	1500	131	0	19	0.44	0	66.1	60.4	45.0	29.6	29.6
5-6 AM	201	0.0	30	0.0	1500	201	0	30	0.44	0	66.0	60.2	44.6	29.5	29.5
6-7 AM	397	0.0	61	0.0	1500	397	0	61	0.46	0	65.6	59.7	43.9	29.2	29.2
7-8 AM	808	0.0	123	0.0	1500	808	0	123	0.50	0	64.9	58.6	42.4	28.6	28.6
8-9 AM	1147	0.0	175	0.0	1500	1147	0	175	0.57	0	64.3	57.4	40.2	28.1	28.1
9-10 AM	1116	0.0	171	0.0	1500	1116	0	171	0.53	0	64.3	57.9	41.3	28.2	28.2
10-11 AM	1234	0.0	189	0.0	1500	1234	0	189	0.68	0	64.1	56.1	37.4	28.0	28.0
11A-NOON	1348	0.0	206	0.0	1500	1348	0	206	0.83	0	63.9	54.5	34.2	27.8	27.8
NOON-1PM	1395	0.0	213	0.0	1499	1395	0	213	0.89	0	63.8	53.8	33.1	27.8	27.8
1-2 PM	1480	0.0	226	0.0	1499	1480	0	226	1.03	0	63.7	52.4	31.3	27.6	27.6
2-3 PM	1612	0.0	246	0.0	1500	1612	0	246	2.71	49	63.4	40.6	30.8	27.4	27.4
3-4 PM	1794	0.0	275	0.0	1500	1648	146	421	8.78	215	63.0	22.4	30.8	27.2	25.8
4-5 PM	2029	0.0	310	0.0	1499	1553	476	786	11.76	292	62.6	18.4	30.8	26.9	22.4
5-6 PM	2348	0.0	359	0.0	1500	1578	770	1129	14.55	368	62.0	15.7	30.8	26.4	19.1
6-7 PM	2257	0.0	345	0.0	1499	1453	805	1149	14.76	374	62.2	15.5	30.8	26.5	18.9
7-8 PM	1839	0.0	281	0.0	1499	1394	446	727	11.37	282	63.0	18.8	30.8	27.1	22.9
8-9 PM	1347	0.0	206	0.0	1500	1321	26	232	7.05	171	63.9	25.8	31.9	27.8	27.6
9-10 PM	866	0.0	132	0.0	1500	866	0	132	0.61	3	64.8	57.3	42.2	28.6	28.6
10-11 PM	645	0.0	98	0.0	1500	645	0	98	0.48	0	65.2	59.1	43.0	28.9	28.9
11PM-MID	481	0.0	74	0.0	1500	481	0	74	0.47	0	65.5	59.5	43.6	29.1	29.1

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0204
MAIN ROUTE WITH WORKS	0.0168
DIVERSION	0.0474

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$35,799
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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FRIDAY NORTHBOUND DIRECTION

